

Multiply Fractions

Aim: to multiply fractions

Canceling Common Fractions

Calculate the following by canceling the common factors first. Give your answer in the simplest form.

1. $\frac{1}{4} \times \frac{1}{2}$

2. $\frac{1}{3} \times \frac{1}{6}$

3. $\frac{2}{5} \times \frac{1}{4}$

4. $\frac{3}{8} \times \frac{2}{3}$

5. $\frac{2}{3} \times \frac{1}{2}$

6. $\frac{1}{5} \times \frac{5}{8}$

7. $\frac{1}{2} \times \frac{1}{2}$

8. $\frac{1}{3} \times \frac{3}{4}$

9. $\frac{1}{6} \times \frac{2}{3}$

10. $\frac{2}{5} \times \frac{5}{6}$

Multiply Fractions Answer Sheet

Canceling Common Fractions Answers

$$1. \quad \frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$$

$$2. \quad \frac{1}{3} \times \frac{1}{6} = \frac{1}{18}$$

$$3. \quad \frac{\overset{1}{\cancel{2}}}{5} \times \frac{1}{\underset{2}{\cancel{4}}} = \frac{1}{10}$$

$$4. \quad \frac{\overset{1}{\cancel{3}}}{\underset{4}{\cancel{8}}} \times \frac{\overset{1}{\cancel{2}}}{\underset{1}{\cancel{3}}} = \frac{1}{4}$$

$$5. \quad \frac{\overset{1}{\cancel{2}}}{3} \times \frac{1}{\underset{1}{\cancel{2}}} = \frac{1}{3}$$

$$6. \quad \frac{1}{\underset{1}{\cancel{5}}} \times \frac{\overset{1}{\cancel{5}}}{8} = \frac{1}{8}$$

$$7. \quad \frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$$

$$8. \quad \frac{1}{\underset{1}{\cancel{3}}} \times \frac{\overset{1}{\cancel{3}}}{4} = \frac{1}{4}$$

$$9. \quad \frac{1}{\underset{3}{\cancel{6}}} \times \frac{\overset{1}{\cancel{2}}}{3} = \frac{1}{9}$$

$$10. \quad \frac{\overset{1}{\cancel{2}}}{\underset{1}{\cancel{5}}} \times \frac{\overset{1}{\cancel{5}}}{\underset{3}{\cancel{6}}} = \frac{1}{3}$$

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Calculate the following by canceling the common factors first. Give your answer in the simplest form.

1. $\frac{2}{5} \times \frac{3}{8}$

2. $\frac{4}{5} \times \frac{1}{6}$

3. $\frac{1}{3} \times \frac{3}{5}$

4. $\frac{5}{12} \times \frac{2}{3}$

5. $\frac{2}{5} \times \frac{1}{8}$

6. $\frac{3}{4} \times \frac{5}{9}$

7. $\frac{1}{6} \times \frac{3}{5}$

8. $\frac{4}{5} \times \frac{1}{4}$

9. $\frac{5}{9} \times \frac{3}{10}$

10. $\frac{4}{5} \times \frac{5}{12}$

Multiply Fractions Answer Sheet

Canceling Common Fractions Answers

$$1. \quad \frac{\overset{1}{\cancel{2}}}{5} \times \frac{3}{\underset{4}{\cancel{8}}} = \frac{3}{20}$$

$$2. \quad \frac{\overset{2}{\cancel{4}}}{5} \times \frac{1}{\underset{3}{\cancel{6}}} = \frac{2}{15}$$

$$3. \quad \frac{\underset{1}{\cancel{3}}}{1} \times \frac{\overset{1}{\cancel{3}}}{5} = \frac{1}{5}$$

$$4. \quad \frac{\underset{6}{\cancel{12}}}{5} \times \frac{\overset{1}{\cancel{2}}}{3} = \frac{5}{18}$$

$$5. \quad \frac{\overset{1}{\cancel{2}}}{5} \times \frac{1}{\underset{4}{\cancel{8}}} = \frac{1}{20}$$

$$6. \quad \frac{\overset{1}{\cancel{3}}}{4} \times \frac{5}{\underset{3}{\cancel{9}}} = \frac{5}{12}$$

$$7. \quad \frac{\underset{2}{\cancel{6}}}{1} \times \frac{\overset{1}{\cancel{3}}}{5} = \frac{1}{10}$$

$$8. \quad \frac{\overset{1}{\cancel{4}}}{5} \times \frac{1}{\underset{1}{\cancel{4}}} = \frac{1}{5}$$

$$9. \quad \frac{\underset{3}{\cancel{5}}}{\underset{3}{\cancel{9}}} \times \frac{\overset{1}{\cancel{3}}}{\underset{2}{\cancel{10}}} = \frac{1}{6}$$

$$10. \quad \frac{\overset{1}{\cancel{4}}}{\underset{1}{\cancel{5}}} \times \frac{\overset{1}{\cancel{5}}}{\underset{3}{\cancel{12}}} = \frac{1}{3}$$

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Calculate the following by canceling the common factors first. Give your answer in the simplest form.

1. $\frac{5}{8} \times \frac{4}{5}$

2. $\frac{3}{4} \times \frac{8}{9}$

3. $\frac{6}{7} \times \frac{7}{9}$

4. $\frac{2}{15} \times \frac{3}{10}$

5. $\frac{9}{10} \times \frac{2}{3}$

6. $\frac{5}{12} \times \frac{9}{20}$

7. $\frac{4}{9} \times \frac{3}{8}$

8. $\frac{10}{11} \times \frac{22}{25}$

9. $\frac{8}{9} \times \frac{15}{32}$

10. $\frac{17}{30} \times \frac{15}{34}$

Multiply Fractions Answer Sheet

Canceling Common Fractions Answers

$$1. \quad \frac{\cancel{5}^1}{\cancel{8}_2} \times \frac{\cancel{4}^1}{\cancel{5}_1} = \frac{1}{2}$$

$$2. \quad \frac{\cancel{3}^1}{\cancel{4}_1} \times \frac{\cancel{8}^2}{\cancel{9}_3} = \frac{2}{3}$$

$$3. \quad \frac{\cancel{6}^2}{\cancel{7}_1} \times \frac{\cancel{7}^1}{\cancel{9}_3} = \frac{2}{3}$$

$$4. \quad \frac{\cancel{2}^1}{\cancel{15}_5} \times \frac{\cancel{3}^1}{\cancel{10}_5} = \frac{1}{25}$$

$$5. \quad \frac{\cancel{9}^3}{\cancel{10}_5} \times \frac{\cancel{2}^1}{\cancel{3}_1} = \frac{3}{5}$$

$$6. \quad \frac{\cancel{5}^1}{\cancel{12}_4} \times \frac{\cancel{9}^3}{\cancel{20}_4} = \frac{3}{16}$$

$$7. \quad \frac{\cancel{4}^1}{\cancel{9}_3} \times \frac{\cancel{3}^1}{\cancel{8}_2} = \frac{1}{6}$$

$$8. \quad \frac{\cancel{10}^2}{\cancel{11}_1} \times \frac{\cancel{22}^2}{\cancel{25}_5} = \frac{4}{5}$$

$$9. \quad \frac{\cancel{8}^1}{\cancel{9}_3} \times \frac{\cancel{15}^5}{\cancel{32}_4} = \frac{5}{12}$$

$$10. \quad \frac{\cancel{17}^1}{\cancel{30}_2} \times \frac{\cancel{15}^1}{\cancel{34}_2} = \frac{1}{4}$$